

## GSL Science Panel Coordination

ATTENDEES: Theresa Presser  
Don Hayes  
Anne Fairbrother  
Bill Wuerthele  
Joe Skorupa  
Theron Miller  
Ying-Ying Macauley  
Harry Ohlendorf  
Jeff DenBleyker

FROM: Jeff DenBleyker

DATE: April 27, 2007

The following is a summary of key discussion items during the conference call:

1. The meeting summary for March 21-22 Science Panel meeting in Salt Lake City was approved with minor changes pertaining to attendees listed in summary.
2. Deep Brine Analysis. The Panel agreed that, based on the preliminary data from Frontier, that we should eliminate oven digestion from future analyses unless there is some unknown reason for keeping it for shallow brine samples. Dan Moore is to make sure the negative recovery in the preliminary summary table from Frontier's evaluation of deep brine water samples is real, validate Frontier's data, obtain/compare with Bill Johnson's data and then we need to schedule a call with chemists. We will update Dan's previous deep brine memo with results and recommended methods and forward to the Panel.
3. Bird Blood Analytical Comparison. LET is finishing up analytical work. USGS has had difficulties with instrumentation and will require another 1-2 weeks to complete.
4. Project 1 Final Reports. Joe Skorupa indicated he will submit his comments Monday, April 30. This will complete the comment period for the shorebird and California gull final reports.
5. Harry Ohlendorf will update paragraph to be included in the two Project 1 final reports to address elevated Se in bird blood and send to the Panel by May 4 along with literature review of Se values for marine birds.
6. Mike Conover had suggested we use male goldeneyes he had collected over the 2005-2006 winter season instead of the 2006-2007 winter season. He was unable to collect any goldeneyes at the end of this past winter. The panel agreed that this would be a suitable substitution and asked that we try to locate artemia cyst samples from the same period.
7. The Panel approved Mike Conover's proposal for spring 2007 sampling. The Panel approved the proposed location of Neponset Reservoir (Bear River Drainage) to allow comparison of saline vs non-saline food sources and how that might affect blood concentrations. They requested that he opportunistically collect 10 gull eggs from the same location to compare with eggs collected at the Great Salt Lake.
8. The Panel agreed that the suggested sampling of gulls and brine shrimp at Mono Lake will not be completed. It was originally thought that Mono Lake did not have elevated Se levels; however a review of data showed it does have elevated Se.

9. Jeff provided a description of John Cavitt's proposal for spring 2007 shorebird sampling. The Panel agreed that it sounded like it was in line with their request. They will review formal proposal. Jeff to send by April 30.
10. The Panel approved Brad Marden's proposal for spring 2007 sampling. Brad will be comparing artemia sampling methods with Bill Adams in early May in an attempt to identify why there is an apparent discrepancy in brine shrimp Se concentrations. A review of Brad's brine shrimp data confirmed they were valid.
11. Frontier is evaluating Brad Marden's MS/MSD data from November and is re-preparing the samples and reanalyzing the samples.
12. The Panel discussed the opportunity for sampling at the Hailstone NWR in Montana. This reservoir has much higher Se concentrations but similar salinities as the GSL. Sampling is being considered to provide a point of comparison primarily between water and brine shrimp but also to opportunistically collect bird liver, blood and egg as well as seston data. Theresa questioned whether this would simply raise more questions than it would answer. Others agreed that it may raise additional questions but given KUCC is partnering with the USFWS to complete the work outside of the GSL program, the data might still be useful. Jeff will draft a workplan for USFWS to complete the sampling and verify that KUCC will indeed proceed with funding the work. Theresa also commented that not everyone on the Panel had been involved in this discussion to date. The workplan will be forwarded to the entire Panel for review and will follow the same SOPs as used on the GSL program.
13. Jeff summarized Dave Naftz's proposal for sediment coring. The Panel generally agreed with approach. Jeff will forward the proposal by April 30 for formal review and approval.
14. Jeff will also be forwarding final draft reports from Wayne Wurtsbaugh (Project 2A), Dave Naftz (Project 3), and Bill Johnson (Project 4) for Science Panel review and comment. Jeff will also forward SOPs, DQOs and an update from Martin Grosell on Project 5. All will be submitted to the Panel by May 4 with comments due 3 weeks after receipt.
15. The next Science Panel conference call will be on May 22, 2007 at 1:00pm MDT.